

Industrial Management

Module Information

2022.01, Approved

Summary Information

Module Code	6103MSE
Formal Module Title	Industrial Management
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	12
Tutorial	12

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	This module is designed to develop the core management techniques required to assess the economic viability of a project and to design and implement a plan to deliver it.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Undertake a technical and economic assessment of a project
MLO2	2	Design a viable plan to organise and control the implementation of a project
MLO3	3	Explain the fundamental principles or intellectual property, and contract law

Module Content

Outline Syllabus	Business case: technical and economic assessment, financial and economic appraisal (Demand modelling, financial modelling: costs, cash flow (NPV, IRR)), economic appraisal (consideration of externalities (environmental and social), ERR), CBA, Risk assessment. Project management life cycle. Project scope. Project planning to achieve cost, time and quality objectives. Network techniques and the use of Gantt charts. Project execution. Quality and risk management of projects. Closing a project. Fundamental principles of intellectual property law. Fundamentals of contract law.
Module Overview	
Additional Information	The module develops the skills to assess the financial and economic viability of an investment project and to design and implement plans to deliver it.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Open book examination	70	2	MLO1, MLO2, MLO3
Report	Written report	30	0	MLO1

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ben Matellini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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